

Seat No. 6176

MAR_APR 2025 SUMMER EXAMINATION
11949 Bachelor of Computer Application(BCA) NEP 2.0**Sub. Name: Python****Sub. Code: 110994/96654/110738****Day and Date: APRIL ,21-04-2025****Total Marks: 80****Time: 02:30 PM To 05:30 PM****Instructions: 1. Figures to the right indicate full marks****Special Inst.: 1) Que. No.1 and Que.No. 8 are compulsory**
2) Attempt any three Questions from Que. No.2 to Que. No. 7.**Q1) Solve following MCQ.****[12]**

- i. Which widget is used to get the data from the user?
 - A. Entry
 - B. Label
 - C. Button
 - D. None of the above
- ii. What is the output of the expression round(4.576)?
 - A. 4.5
 - B. 5
 - C. 4
 - D. 4.6
- iii. Which of these about a set is not true?
 - A. Mutable data type
 - B. Does not allow duplicate values
 - C. Data type with unordered values
 - D. Immutable data type
- iv. How we import a tkinter in Python program?
 - A. import tkinter
 - B. import tkinter as t
 - C. from tkinter import *
 - D. All of the above
- v. Which of the following statements create a dictionary?
 - A. d = {}
 - B. d = {"john":40, "peter":45}
 - C. d = {40:"john", 45:"peter"}
 - D. All of the mentioned
- vi. What will be the output of the following code?

[1]**P.T.O.**

T=(1, 2, 3, 4, 5)

T.pop()

print(T)

- A. (1, 2, 3, 4)
- B. (2, 3, 4, 5)
- C. (1, 2, 3, 4, 5)
- D. Error

vii. What will be the output of the following Python code?

```
x = ['ab', 'cd']
```

```
for i in x:
```

```
    i.upper()
```

```
print(x)
```

- A. ['ab', 'cd']
- B. ['AB', 'CD']
- C. [None, None]
- D. none of the mentioned

viii. Which of the following is the correct way to declare a variable in Python?

- A. int x = 10
- B. x := 10
- C. x = 10
- D. var = 10

ix. What is the output of print(type("Hello"))?

- A. <class 'int'>
- B. <class 'str'>
- C. <class 'float'>
- D. <class 'list'>

x. What will be the output of the following Python code?

```
t1 = (1, 2, 4, 3)
```

```
t2 = (1, 2, 3, 4)
```

```
t1 < t2
```

- A. True
- B. False
- C. Error
- D. None

xi. GUI stands for----- .

- A. Global user interaction
- B. Graph user interaction
- C. Graphical user interaction
- D. Graphical user interface

- A. 5
- B. 4
- C. None
- D. Error

- Q2) A. Explain the import statement in Python. [8]
 B. What is a Dictionary? Explain Accessing Values in Dictionary. [8]
- Q3) A. What are Python features? [8]
 B. What is function? Explain function with arguments with example. [8]
- Q4) A. Write a Python program to calculate the factorial of a given number. [8]
 B. What is set? Explain different operations on set with examples. [8]
- Q5) Write a program to demonstrate file input and output in Python. [16]
- Q6) A. What is the list? Explain list slicing with examples. [8]
 B. Describe applications of Python. [8]
- Q7) Illustrate different looping statements used in Python. [16]
- Q8) Write short note on any four. [20]
- a. Escape Characters
 - b. GUI In Python
 - c. Tuples Operations
 - d. Lambda Function
 - e. Math Module
 - f. Break and Continue

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

- 1] (717) Bachelor of Computer Application (110994) Python Part 3 SEM 6
- 2] (7810) B.C.A. (CBCS) (110738) Python Part 3 SEM 6
- 3] (7824) Bachelor of Computer Application (CBCS) NEP (96654) Python Part 3 SEM 6